

[CLAIMS]

1. A positive working heat-sensitive lithographic printing plate precursor comprising a support having a hydrophilic surface and a coating, provided on the hydrophilic surface, said coating comprising:
 - an infrared light absorbing agent,
 - an oleophilic resin soluble in an aqueous alkaline developer,
 - a developer resistance means and
 - spacer particles,characterised in that said spacer particles comprise aluminum hydroxide or aluminum oxide and have an average particle size larger than $0.3\ \mu\text{m}$.
2. A positive working heat-sensitive lithographic printing plate precursor according to claim 1 wherein said particle size is between $0.5\ \mu\text{m}$ and $20\ \mu\text{m}$.
3. A positive working heat-sensitive lithographic printing plate precursor according to claim 1 wherein said particle size is between $1\ \mu\text{m}$ and $7\ \mu\text{m}$.
4. A positive working heat-sensitive lithographic printing plate precursor according to claim 1 wherein said coating has a layer thickness comprised between $0.6\ \text{g/m}^2$ and $2.8\ \text{g/m}^2$.
5. A positive working heat-sensitive lithographic printing plate precursor according to claim 1 wherein said coating comprises at least two layers and wherein said spacer particles are present in at least one of the layers of the coating.
6. A positive working heat-sensitive lithographic printing plate precursor according to claim 1 wherein the amount of said particles in the coating is between 5 and $200\ \text{mg/m}^2$.

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7. A positive working heat-sensitive lithographic printing plate precursor according to claim 1 wherein said developer resistance means is a polymer comprising siloxane or perfluoroalkyl units.

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8. A stack comprising a plurality of positive working heat-sensitive lithographic printing plate precursors, according to claim 1, wherein adjacent plate precursors are separated by an interleave.

10 9. A package comprising a stack according to claim 8.

10. Use of aluminum hydroxide or aluminum oxide spacer particles, having an average particle size larger than $0.3\ \mu\text{m}$, in the coating of a positive working heat-sensitive lithographic printing plate precursor, according to claim 1,
15 for improving the scuff-mark resistance of the coating.

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